LOAD ANALYSIS			
ITEM	CONNECTED	DEMAND	DF
LIGHTING	27,550 W	27,550 W	100%
RECEPTACLES	26,940 W	18,970 W	100% + 50%
HEATING	22,604 W	22,604 W	100%
VENTILATION	19,941 W	19,941 W	100%
AIR. COND.	3,675 W	- 0 -	0
EQUIPMENT	77,550 W	77,550 W	100%
MISC.	16,066 W	8,000 W	50%
TOTAL	183,276 W	163,115 W	—
TOTAL KVA @ 97%	205.6 KVA	181.2 KVA	—

BUILDING SERVICE GROUNDING GRID DETAIL

NOT TO SCALE

PLAN

SECTION 'A-A'

TRANSFORMER PAD DETAIL

NOT TO SCALE

POWER RISER DIAGRAM

NOT TO SCALE

FIRE ALARM RISER DIAGRAM

NOT TO SCALE

EXISTING POLE #1 DETAIL

NOT TO SCALE

INTERCOM RISER DIAGRAM

NOT TO SCALE

POLE BASE DETAIL FIXTURE "L"

NOT TO SCALE

NOTES

FIRE ALARM SYSTEM

1. ALL WIRE SHALL BE NO. #12 THWN, SOLID COPPER, EXCEPT AS NOTED, COLOR CODED NO SPLICE OR CONDUITS AS REQUIRED.
2. ALL EQUIPMENT TO BE UL OR F.M. LISTED.
3. FIRE DEPARTMENT TO BE LOCATED BEFORE ... AS SHOWN ON PLANS AVOIDING INTERFERENCES.
4. CONTRACTOR TO CHECK PLANS FOR LOCATION & QUANTITY OF EQUIPMENT.

INTERCOM SYSTEM

1. ALL EQUIPMENT TO BE LOCATED BEFORE AS SHOWN ON PLANS AVOIDING INTERFERENCES. SEE SYMBOL LIST FOR TYPE OF EQUIPMENT TO BE INSTALLED IN THE FUTURE.

TRANSFORMER PAD

1. ALL DIMENSIONS TO BE VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE PAD DETAILS WITH THOSE FURNISHED BY MANUFACTURER OF TRANSFORMER PURCHASED.
2. GROUND GRID SHALL BE INSPECTED BY THE CONTRACTING OFFICER PRIOR TO COVERING.

EXISTING POLE #1 - LEGEND (NEW EQUIPT)	
ITEM NO	DESCRIPTION
1	15KV LIGHTNING ARRESTER
2	15KV FUSED CUTOUT (20A FUSE)
3	#6 BARE COPPER GROUND WIRE
4	8 PIN CROSSARM
5	15KV TERMINATOR
6	CROSSARM BRACE
7	CABLE HANGER
8	15KV - 1/C #1/0 SHIELDED CABLE
9	2½" CABLE SUPPORT
10	4" RIGID STEEL CONDUIT